



Reconstructing a Partial Transport Stream

FIELD OF INVENTION

[0001] The present invention relates to digital video processing, and more particularly, to reconstructing a partial transport stream in a digital television system.

BACKGROUND

[0002] Digital video is being used in an increasing array of applications ranging from personal computers (PC) and video conferencing to digital televisions (TV), set-top boxes, and personal video recorders (PVR). These varied video systems can process content from cable, satellite, and terrestrial broadcasts as well as streaming video and video-on-demand over the internet. The digital television industry faces several challenges in order to accelerate worldwide deployment of these technologies. It needs to make TV compelling and engaging, lower the cost of the roll-out of interactive services on digital TV, and develop a whole range of products in cost effective ways to take advantage of new market opportunities.

[0003] In particular, the fast-growing PVR systems (also known as Digital Video Recorders DVR) allow consumers to interactively choose which content they want to watch, from broadcast media or video-on-demand, and when to watch it. The viewers have the control, management rights, and personalization options on digital content. For example, the PVR/DVR systems allow viewers to record TV broadcasts from cable, satellite, or over-the-air to a hard disk. These systems record automatically, allowing viewers to pause, rewind, and replay live television. Furthermore, the PVR/DVR systems allow easy management of pre-recorded programs, and the ability to schedule and specify the recordings.